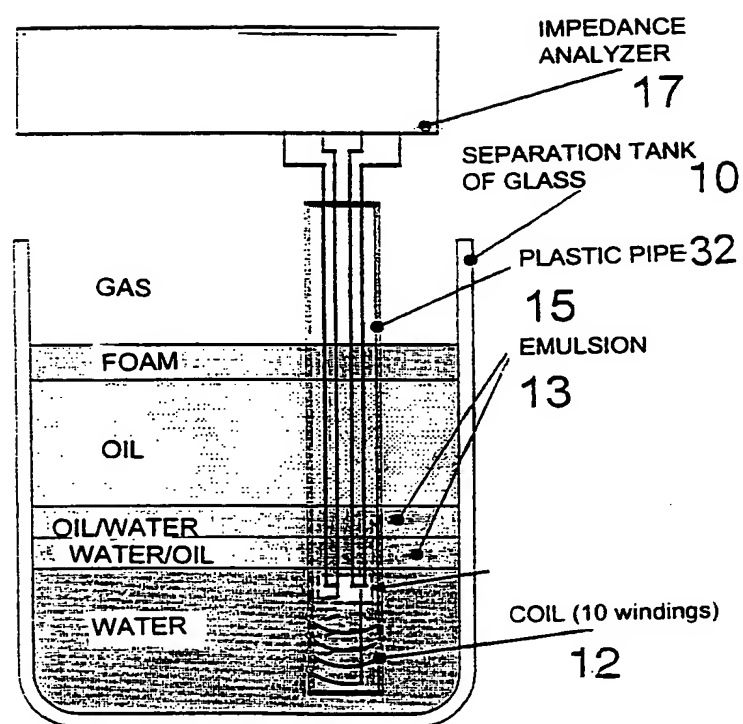


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**FIG 1**

FLOW CHART OF THE MEASURING SET UP IN LABORATORY.

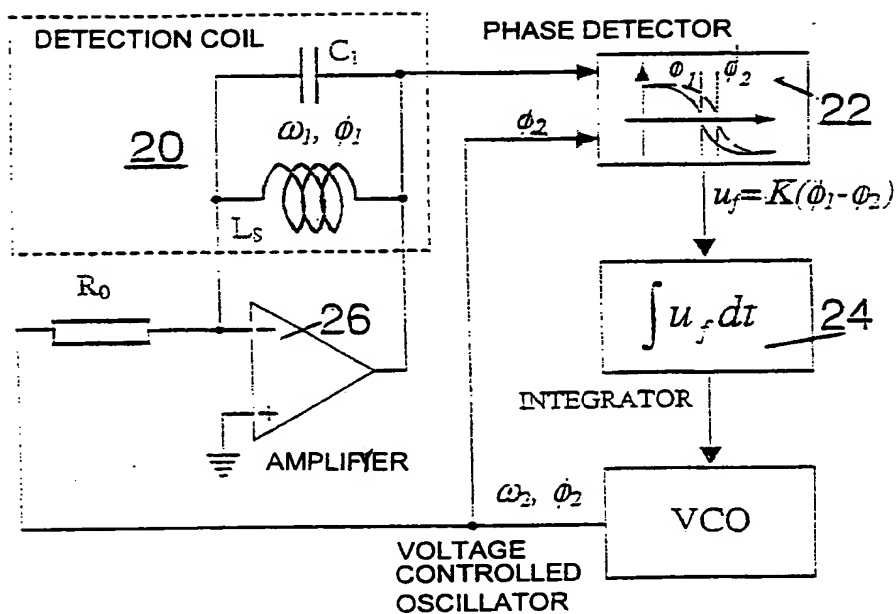
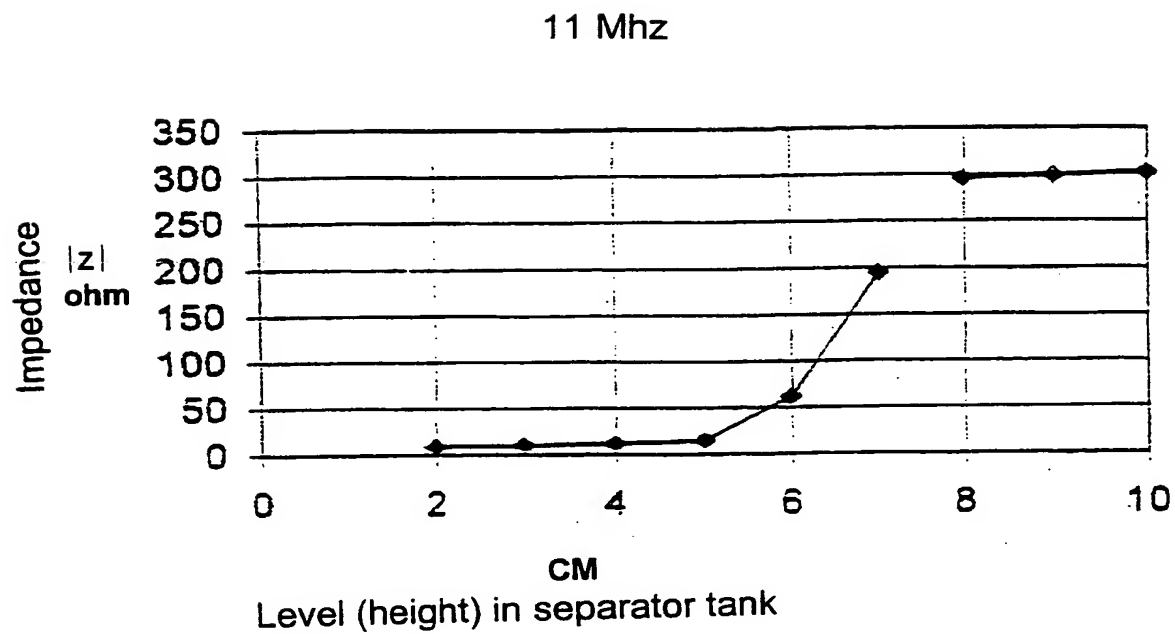


FIG 2

BLOCK DIAGRAM OF DETECTOR ELECTRONICS

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**FIG 3**  
COIL IMPEDANCE AS A FUNCTION OF LEVEL IN SEPARTOR TANK  
(N=10, f=11 MHz)

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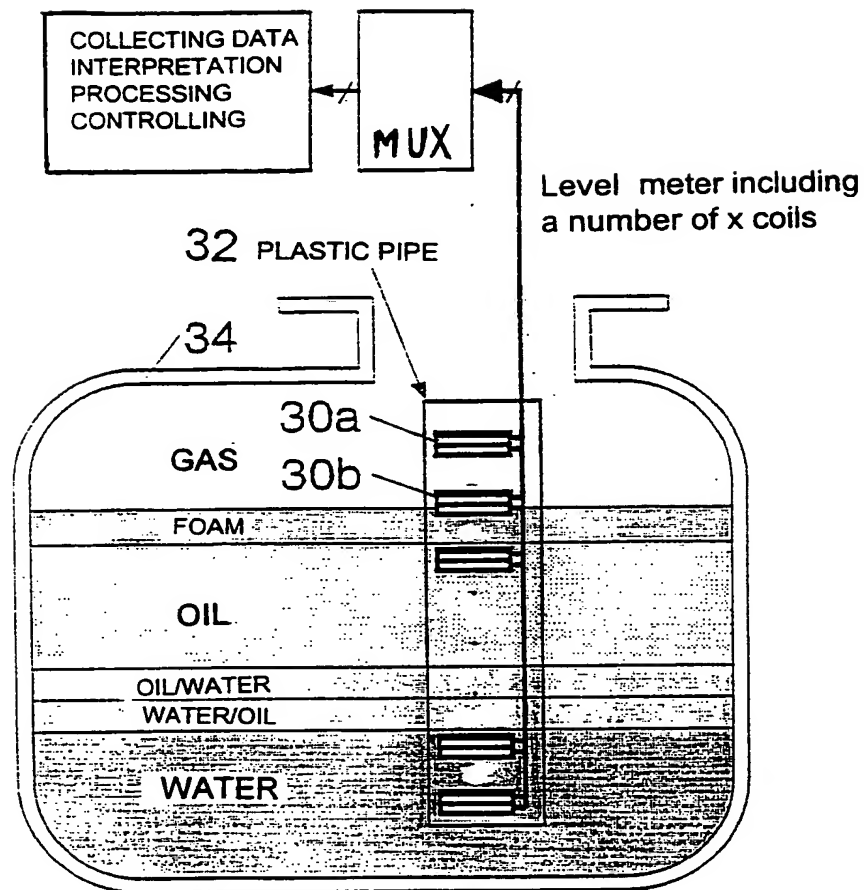


FIG 4

FLOW CHART OF EQUIPMENT FOR LEVEL MEASURING.

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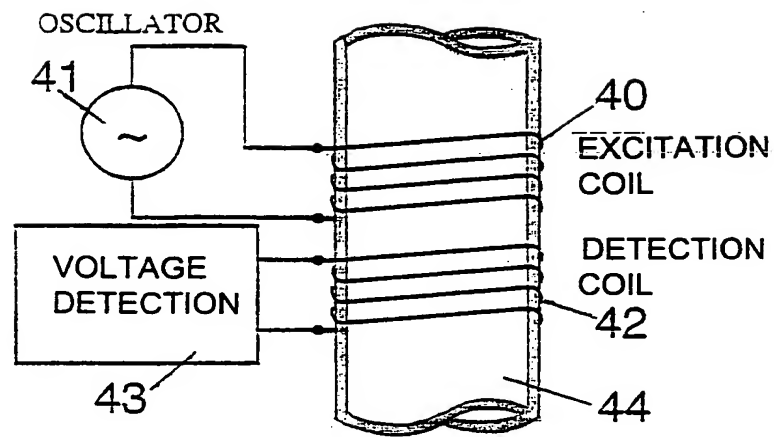


FIG 5

PRINCIPLE FOR METERING  
WATER CUT IN MULTIPHASE MIXTURES.

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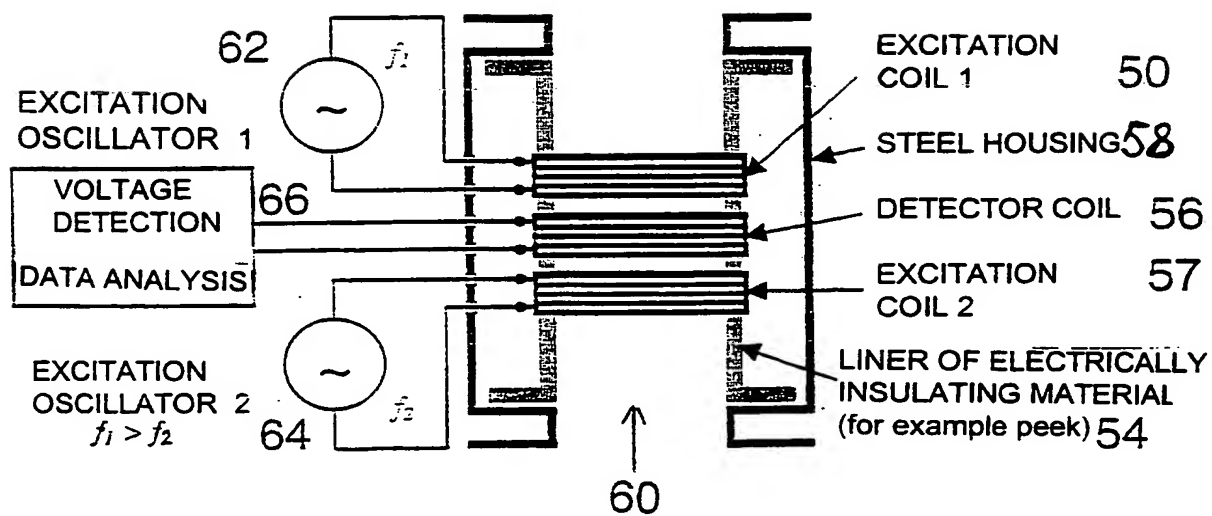
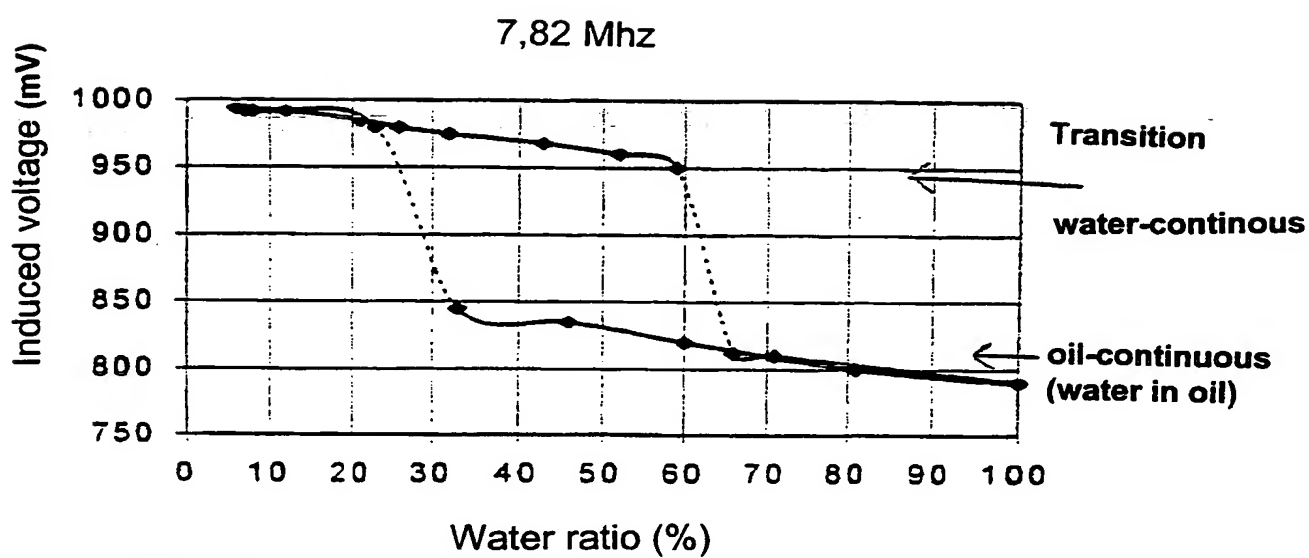


FIG 6

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**FIG 7**  
RESULTS OF MEASUREMENTS FROM  
A THREE-PHASE FLOW RIG OF OIL/WATER/GAS.